FastDB - Fast Pairwise Comparison of Sequences Release 5.4

Results file seq72-t48453.res made by bobryen on Tue 17 Dec 102 12:58:03-PST.

Query sequence being compared:SEQ72-T48453 (1-151) Number of sequences searched: 5 Number of scores above cutoff: 5 Results of the initial comparison of SEQ72-T48453 (1-151) with: File : seq72compares.pep

PARAMETERS

Similarity matrix PAM-150 K-tuple
Threshold level of sim. 16%
Mismatch penalty 1 Joining penalty 20 Gap penalty 5.00 Window size 151 Cutoff score 1 Randomization group 0

SEARCH STATISTICS

 Scores:
 Mean Median Standard Deviation 42 43.25

 Times:
 CPU Total Blapsed 00:00:00:00.00

Number of residues: 3817
Number of sequences searched: 5
Number of scores above cutoff: 5

A 100% identical sequence to the query sequence was not found

The scores below are sorted by initial score. Significance is calculated based on initial score.

The list of best scores is:

Initial Score = 124 Optimized Score = 134 Significance = 0.86
Residue Identity = 61% Matches = 84 Mismatches = 53
Gaps = 0 Conservative Substitutions = 0

Ouery sequence being compared:SEQ72-Q941X6 (1-132)

Number of sequences searched:

Number of scores above cutoff:

Results of the initial comparison of SEQ72-Q941X6 (1-132) with:

																			* *	;	_	100
:																					-	83
<u>.</u>	•																				_	78
																				1 1 1 1 1 1	_	29
																				1 1 1 1	<u>-</u>	156 0
• o.																					_	44
File : seq72compares.pep																*					_	33
172comp																					_	22
e: sec																					<u>-</u>	- <b>-</b>
F11	100-	•	-09	•	•		ı	ı		10-	•	,	5-			,		•		0	-	SCORE 0 STDEV
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	1	20	132			
PARAMETERS	K-tuple	Joining penalty	Window size			
PAKA	PAM-150 m. 16%		5.00	0.05		0
	Similarity matrix Threshold level of sim.	Mismatch penalty	Gap penalty	Gap size penalty	Cutoff score	Randomization group

# SEARCH STATISTICS

Standard Deviation 36.96	Total Elapsed 00:00:01.00
Median 30	
Mean 69	CPU 00:00:00.90
Scores:	Times:

Number of residues:

Number of sequences searched:

Number of scores above cutoff:

The scores below are sorted by initial score.

Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

1. 9592-06-110-00-1-00-1-00-1-00-1-00-1-00-1-0
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> 0 < 0 | 0 IntelliGenetics > 0 <
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FastDB - Fast Pairwise Comparison of Sequences Release 5.4

Results file seq72-o49498.res made by bobryen on Tue 17 Dec 102 12:59:47-PST.

Query sequence being compared:SEQ72-049498 (1-217) Number of sequences searched: Number of scores above cutoff: 5

Results of the initial comparison of SEQ72-049498 (1-217) with: File : seq72compares.pep

																		*		=	124 2
																				_	1110
									•									*		-	96
															*			*		=	-83 0
																				_	-1
																				-	22
																				_	41   -2
																				=	-3 88
																				_ _	-4 14
100-	,	u 50-	' Σ	- E	- ع	٠ ع	•		F 10-	•	·	E 5-	ه	- 0	· EI	' Z	ن	· •	0 S	_	SCORE 0 STDEV
								_									_				

### PARAMETERS

н	20	217			
K-tuple	Joining penalty	Window size			
PAM-150 m. 16%	г	2.00	0.05		0
Similarity matrix Threshold level of sim.	Mismatch penalty	Gap penalty	Gap size penalty	Cutoff score	Randomization group

### SEARCH STATISTICS

Standard Deviation 18.94	Total Elapsed 00:00:00:00
Median 80	
Mean 92	CPU 00:00:00.01
Scores:	Times:

3817 5 5 Number of residues: Number of sequences searched: Number of scores above cutoff: A 100% identical sequence to the query sequence was not found.

The scores below are sorted by initial score. Significance is calculated based on initial score.

The list of best scores is:

3. SEQ72-049498 (1-217) q941x6 Putative FPPsynthasel (Fragment).

Length Score Score Sig. F  1 standard deviation above mean ****  1 standard deviation above mean ****  1 standard deviation from mean ****  1 columnia deviation from 119	гаме	0 0000	
sre6  **** 1 standard deviation at 22x18 18 protein.  **** 1 standard deviation at 22x18 18 protein.  5433	E4		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
sre6  **** 1 standard deviation at 22x18 18 protein.  **** 1 standard deviation at 22x18 18 protein.  5433	19		1.6 1.0 1.0 1.0 1.1 1.1 1.1 1.1 1.1
sre6  **** 1 standard deviation at 22x18 18 protein.  **** 1 standard deviation at 22x18 18 protein.  5433	Opt. Score	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CBRCE - 40  XRGXXXXI
sre6  **** 1 standard deviation at 22x18 18 protein.  **** 1 standard deviation at 22x18 18 protein.  5433	nit.	1124 * 124 95 84 79	
sre6  **** 1 standard deviation at 22x18 18 protein.  **** 1 standard deviation at 22x18 18 protein.  5433			11 S19 30 XXXXXXX 30 XXXXXXX 30 XXXXXXX 890 890 890 890 890 890 890 890 890 890
Sequence Name Description  **** 1 standard deviation  2. t44453 check: 243 3. q941x6 4. t05430 check: 243 3. q941x6 4. t05430 check: 243 3. q941x6 4. t05430 check: 243 3. q941x6 5. o49498 (1-217)  1. SEQ72-049498 (1-217) q95166 5. o49498 (1-217) q95166 7. of t15430 check: 315 g95166 7. of t15430 check: 3431 g9516 7. of t15430 7. of t15431 7		abor from me	from from from from from from from from
Sequence Name Description  **** 1 standard devi  2. t48453		ation ation 243 (Frag	TUD STANDARD
Sequence Name Description  **** 1 standard  1. q9sr66		devi	I SCOI 110 110 110 110 110 110 110 11
Sequence Name Description  **** 1 sta  1. q9sr66		ndard otein ndard 1453 synth 1430	Chest of the state
Sequence Name Descript  1. q9sr66	ion	1 sta 1 sta 18 pr 1 t46 1 t05 1 t05	Protection of the control of the con
Sequence Name Desc 1. q9sr66 722 2. t48453 703 3. q941x6 FULL TO	ript	XX18. XX18. G of G of CG of	1.18  X
Sequence Name  1. q9sr66  2. t48453 3. q941x6 4. t05430 5. 049498 ( q9sr66 5. 049498 ( q9sr66 5. 049498 ( y9sr66 7 post of the session of the	Desc	122 101 101 101 HYF	70 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Sequence Nam  1. q9sr66  2. t48453 3. q941x6 4. t05430 5. 049498 5. 049498 5. 049498 780 60 XXXXXXXX	υ υ	! ! ! !	EPLEY 7970 OKKSV 7970
Sequence  1. 49  2. 44  3. 49  4. ttt  3. 49  5. 04  8. 04  9. 04	z	9sr66 18453 941x6 05430	SCOR IGEN STANKSTY SECOND SECON
Second Se	Ü		SKEE  SKEE  786  SKEE  SKEE  786  SKEE  SKEE  786  SKEE  SKEE  786  SKEE  SKEE  786  SKE
	Seg	! ! !	Gaerin Ga

er of scores above cutoff:

Results of the initial comparison of SEQ72-T05430 (1-217) with:

File : seq72compares.pep

*	124
	1110
*	96
*	83-0
	-1-69
	-55
	41-2
	-38-
	4
1000 1000 1000 1000	SCORE 0 STDEV
ZDZEMK OF WMQDMZOM	STI

	н	20 217	
PARAMETERS	K-tuple	Joining penalty Window size	
PAR	PAM-150 n. 16%	5.00	0.05 1 0
	Similarity matrix Threshold level of sim.	Mismatch penalty Gap penalty	Gap size penalty Cutoff score Randomization group

SEARCH STATISTICS

Standard Deviation	Total Elapsed
18.94	00:00:00:00
Median 80	
Mean	CPU
92	00:00:00.01
Scores:	Times:

Number of residues: 3817
Number of sequences searched: 5
Number of scores above cutoff: 5

A 100% identical sequence to the query sequence was not found.

The scores below are sorted by initial score. Significance is calculated based on initial score.

3. SEQ72-T05430 (1-217) q941x6 Putative FPPsynthasel (Fragment).

Init. O Sequence Name Description Length Score S	Opt. Score	Sig. Fr	Frame
**** 1 standard deviation above mean ** ir66 T22K18.18 protein. 1309 12 **** 0 standard deviation from mean ***	Ä	1.69	0
of: t4843 check: 2431 555 ive FPPsynthasel (Fragme 119 of: t05430 check: 9156 917	104 94 -	0.16 -0.42 -0.69	000
1. SEQ72-T05430 (1-217) q9sr66 T22K18.18 protein.			
Initial Score = 124 Optimized Score = 161 Significance Residue Identity = 428 Matches = 93 Mismatches Gaps	ance i	1.69	
X 10° 20 30 40 50 50 50	40 RGXXXXLA           RGMNNMLA 840	50 AXRIXXX      AERI	
XXXXXXXXXXXXEXIDLEWLRXXDSXXXXXXLLSXXGXGLKSXECVRLLXLXXXARPVDTNVGRIA  XXXXXXXXXXXXXFXIDLEWLRXXDSXXXXXXXXXXXXCXGLKSXECVRLLXLXXXAFPVDTNVGRIA	XXXAFPVDI                 QIAFPVDI   900	120 TNVGRIA         TNVGRIA	
VRIGEVPLEPLPXXVOMHQLEXYEXXXXQKXLMPRICKLXQXTLYELHYQMITFGKXFCTKXXPNCNACPM   11   1   1   1   1   1   1   1   1	190 FCTKXXPN 11/1 11 FCTKVKPN	O NCNACPM               NCNACPM	
200 210 X KXECKYFASAXVSSKKLIEXXX I I I I: 11 1:			
2. SEQ72-T05430 (1-217) t48453 TOIG Qf: t48453 check: 2431 from: 4 to: 555	_		
Optimized Score = 104 Signific Matches 60 Mismatch Conservative Substitutions	ance .	0.16	
MXXXRXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	40 (RGXXXXL) 	50 AXRIXXX   1  AVRI	<b>.</b> .
50 70 80 100 100 100 xxxxxxxxxxxxxxxxxxxxxxx	110 120 12.X.X.X.X.R.P.V.D.T.N.CRIA 11	120 TNVGRIA         TNVGRIA 530	4-4
130 140 x/150 160 VRLGLVPLEPLPXXVQMHQLFXVPXXXXQKXLWPRLCKLXQ   :			

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Results file seq71-t05430.res made by bobryen on Tue 17 Dec 102 13:25:29-PST.
                                                                                                                                                                                                                                                                                                                                                                                                      1 64
                                                                                                                                              Results of the initial comparison of SEQ71-T05430 (1-88) with: File : seq71compares.pep
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88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Standard Deviation 6.08
                                                                                                                                                                                                                                                                                                                                                                                                            -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Joining penalty Window size
                                                                                                      Query sequence being compared: SEQ71-T05430 (1-88) Number of sequences searched: 4 Number of scores above cutoff: 4
                                        FastDB - Fast Pairwise Comparison of Sequences Release 5.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEARCH STATISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Median
55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             K-tuple
                                                                                                                                                                                                                                                                                                                                                                                                                                                       PARAMETERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAM-150
168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \begin{smallmatrix} 1.00\\1.00\\0.05\end{smallmatrix}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mean
58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity matrix PAN
Threshold level of sim.
Mismatch penalty
Gap penalty
Gap size penalty
Cutoff score
Randomization group
> 0 < 0 | 0 IntelliGenetics > 0 <
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SIDEV -9
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                                                                                                                                                                                                    Z D X B E R
                                                                                                                                                                                                                                                                       OF
                                                                                                                                                                                                                                                                                                         SHODHRUHS
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Total Elapsed 00:00:00:00 4350 CPU 00:00:00 Number of residues: Number of sequences searched: Number of scores above cutoff:

Times:

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

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Init, Opt. Length Score Score Sig. Frame				≅ - ≅	
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Sig	,		0	COLE	S
ø	98		111	FXTRY  :  : FQTR1	OAKS
Sco1			ance	XXF)	EPQ! 530
Init. Opt.	54	917	Significan Mismatches	30 XERX 1   1	YIEI
Fnit	64	ö	gni: sma	KWX:	LSY
4	917	ŭ	86 Significance = 69 Mismatches =	20 40 DDKXTXAKWXXERXXEXTRXDLFINRN    \$ :   5  :  5	REG 20
ength	6		86 69 ons	20 DKX1 DKX1 DKE1	VDA 5
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		156	e.	. GN	80 NAEMX IIIIIS NAEMS
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٠	TOIG of: t05430 check: 9156	(1-88) TOIG of: t05430 check: 9156 from: 1 to: 917	64 Optimized Score = 86 08. Matches = 69 10 Conservative Substitutions	X 10 30 40 KVXLDPETXXXWXVLMDDKXTXAKWXXERXXFXTRXDLFIRM   !	70 FLTQ1
Description	 	£05,		X KVXLI   :   KVNLI 420	SVE         SVE
Descripti	0		64 708. 10	X X — X X	SVVC        SVVC  490
esc	ĬOI	88) G o		KLV	50 SWD 1111 SWD
Δ ;		(1- TOI	1 ( 1	ADK 0	KGS           
		30	ity	MIKAI 410	KEXQWI IIII KEKQWI 480
lame	30	2054	ore	X 10 20 30 40 KVXLDPETXXXWXVLMDDKXTXAKWXXERXXFXTRXDLFIRRM	50 60 70 80 X HXLQGNRXEXQWKGSVVDSVVGVFLTQN-TDXLSSNAFMXVAXFP 13.  1  1  1  1  1  1  1  1  1  1  1  1  1
e i	:054	71-7	S T	CNKF	1,59
eduence Name	1. t05430	SEQ71-T0	tiai idue 3	LKI) 400	HXI  ;  HRI 470
Sequence Name		1. SEQ71-T05430 (1-88) L05430 } TOIG o	Initial Score Residue Identity Gaps		4

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PastDB - Fast Pairwise Comparison of Sequences
Release 5.4
Results file seq72-q9sr66.res made by bobryen on Tue 17 Dec 102 12:57:35-psr.

Query sequence being compared:SEQ72-Q9SR66 (1-208)
Number of scores above cutoff:

N
```

20 208 Standard Deviation 35.00 Total Elapsed 00:00:00:00 Joining penalty Window size SEARCH STATISTICS Median 58 K-tuple 3817 5 5 CPU 00:00:00.01 PAM-150 . 168 5.00 0.05 Mean 92 Number of residues: Number of sequences searched: Number of scores above cutoff: sim. Similarity matrix
Threshold level of si
Mismatch penalty
Gap penalty
Gap size penalty
Cutoff score
Randomization group Scores: Times:

PARAMETERS

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

Sequence Name	Description	Init. Length Score	Init. Opt. Score Score	Sig. Frame
1. q9sr66	**** 1 standard deviation above mean **** T22K18.18 protein.	ation above mean	137 176	1.29 0
1. SEQ72-Q9SR66 (1-208) q9sr66 T22K18.	(1-208) T22K18.18 protein.			
Initial Score Residue Identity Gaps	= 137 Optimized Score = 176 = 59% Matches = 124 = 23 Conservative Substitutions		Significance Mismatches	1.29 61 0
KSKESAKSTQKKS 780	X 10 20 30 40 50 WXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	20 30 DTXDWXXXRXXXXXXX   \   :  ::  :::: DTVDWDALRCTDVHKI 	40 ************************************	50 NXXLAXRIXX  ;:  ;  ;  ; NNMLAERIKA 840
60 FLXXXVXHGXIDI   ::: ::: ::   FLNRLVKHGSIDI 850	60 100 120 FLXXXVXXHGXIDLEWLRXXPPDXAKXYLLSIXGLGLKSVECVRLLXHXXAFPVDTNVGRIAVRLGWVPLQ   ::: :: ::  :      ::   :  :  :	0 KSVECVRLLXLHXXAFF 	110 FPVDTNVGRIAN	120 /RLGWVPLQ 
130 PLPXXLOMHLLXX    ;       PLPDELQMHLL 920 930	130 140 150 160 190 190 190 190 190 190 190 190 190 19	160 170 180 190 190 LXOXTLYELHYHHITFGKXFCTTXXPNCNACPMKXECRHYSS	180 TKXXPNCNACPMK: 11; 1	190 KXECRHYSS   ,       KAECRHYSS
200 X AXASARXALPXP                           ARASARLALPEPE 970 980	200 x AXASARXALPXP  \$   \$   \$  ARASARLALPEPESDRTSVMIHERRSKRKPV 990 1000			

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| TastDB - Fast Pairwise Comparison of Sequences | FastDB - Fast Pairwise Comparison of Sequences | FastDB - Fast Pairwise Comparison of Sequences | FastDB - Fast Pairwise Comparison of Sequences | Sequence |
```

#### PARAMETERS

Similarity matrix PAM-150 K-tuple Threshold level of sim. 16% Mismatch penalty 1 Joining penalty Gap penalty 5.00 Window size Gap size penalty 0.05 Cutoff score 1 Randomization group 0	F	20	06				
4	K-tuple	Joining penalty	Window size			•	
Similarity matrix Threshold level of s Mismatch penalty Gap penalty Gap size penalty Cutoff score Randomization group	4				-	0	
	Similarity matrix, Threshold level of s	Mismatch penalty	Gap penalty	Gap size penalty	Cutoff score	Randomization group	

### SEARCH STATISTICS

Scores:		Mean 59	Median 54	Standard Deviation 7.55
Times:	,	CPU 00:00:00:00		Total Elapsed 00:00:00:00
Number of Number of Number of	Number of residues: Number of sequences searched: Number of scores above cutoff:	searched: ve cutoff:	4350 4 4	

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

Sequence Name	Description	Init. Opt. Length Score Score Sig. Frame
1. q9sr66	**** 1 standard deviation above mean **** T22K18.18 protein.	above mean **** 1309 67 80 1.06 0
1. SEQ71;-Q95R66 (1-90) .g9sr66) T22K18	(1-90) T22K18.18 protein.	
Initial Score Residue Identity Gaps	= 67 Optimized Score = 80 = 69% Matches = 69 = 9 Conservative Substitutions	80 Significance = 1.06 69 Mismatches = 20 tutions = 1
YKKSYEEQKAIVH 480	X 10 KVXLDPETXXXWXLLM II, IIIII;;; IIII VKYSKKQKPVQLDPETSKVWKLLMSSIDCD 500 510 5	X 10 40 KVXLDPETXXWXLLMDXXDEEKXKWWXXERXKFXGRXNSFIAR
50 MRXVQGNRXFXPV     :                     MRVVQGNRTFSPV 550	50 80 90  MXVQGNRXFXPWKGSVVDSVVGVFLTQNV-DXSSSSAXMXLASXFP    :    :	S 90 1: \$11 AAEFPVEWNFNKGSCHEEWGSSVTQ X 600 610

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O| |O IntelliGenetics
> 0 <
FastDB - Fast Pairwise Comparison of Sequences
Release 5.4
```

Results file seq71-049498.res made by bobryen on Tue 17 Dec 102 12:55:59-PST.

Query sequence being compared: SEQ71-049498 (1-90) Number of sequences searched: 4 Number of scores above cutoff: 4

Results of the initial comparison of SEQ71-049498 (1-90) with: File : seq71compares.pep

						:
					*	1 66
					*	-60
					•	-11-
						- 44 - 2
						37
						29 4
						22 5
						15 6
				,		
100-	50-		10-		''''	S 0 SCORE 0 STDEV
	ZDY	c to to	4 0 %	OHO	- E Z C E C	SCC

7		20	06				
K-tuple		Joining penalty	Window size				
PAM-150	im. 16%			0.05	1	0	
Similarity matrix	Threshold level of s	Mismatch penalty	Gap penalty	Gap size penalty	Cutoff score	Randomization group	

PARAMETERS

### SEARCH STATISTICS

Standard Deviation 6.65	Total Elapsed 00:00:00.00	
Median 56		4350
Mean 60	CPU 00:00:00	
Scores:	Times:	Number of residues:

Number of sequences searched: Number of scores above cutoff: The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

+05430	Score Sig. F	Frame
Hypothetical 106.3 KDa protei 917 66 80	80 0.90 80 0.90	00
1. SEQ71-049498 (1-90) t05430 TOIG of: t05430 check: 9156 from: 1 to: 917		
Initial Score = 66 Optimized Score = 80 Significance = Residue Identity = 70% Matches = 69 Mismatches = 8 Conseyptive Substitutions =	0.90	
X	40 KTRXDLFINRA 	<b>z</b> –
LKINKKVITMIKADKKLVTAKVNĽDPEŢIKEWDVEMVNDSPŚRSYDDKETEAKWKKEREIFGTRIDLFINRM $400$ $410$ $420$ $430$ $440$ $450$	TRIDLFINR 50	Σ
50	JAKSS	
2. $SEQ71^{2}O49498$ (1-90) 049498 ) . Hypothetical 106.3 kDa protein.		
Initial Score = 66 Optimized Score = 80 Significance = Residue Identity = 70% Matches = 69 Mismatches = 6aps = 8 Conservative Substitutions =		
X 10 30 40 KVXLDPETXXXXXVLMXXDDKJTXAKWXXERXYEXTRXDLFINRM 	40 KTRXDLFINH : : :      2TRIDLFINH	<b>z</b> – z
50 60 70 80 90 HXLQGNRXFXQWKGSVVDSVVGVFLTQN-TDXLSSNAFMXVAAXFP	DAKSS	

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Results file seq71-99sjq6.res made by bobryen on Tue 17 Dec 102 12:54:30-PST.
                                                                                                                                                                                                                                                                 Results of the initial comparison of SEQ71-Q9SJQ6 (1-90) with: File : seq71compares.pep
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -121-
                                                                                                                                                                                      Query sequence being compared: SEQ71-Q9SJQ6 (1-90)
Number of sequences searched: 4
Number of scores above cutoff: 4
                                                                          FastDB - Fast Pairwise Comparison of Sequences Release 5.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29<u>1</u>
-4
> 0 < Ol | O IntelliGenetics > 0 <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SCORE 0 |
STDEV -8
                                                                                                                                                                                                                                                                                                                          100-
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K-tuple	Joining penalty Window size		
PAM-150		0.05	0
Similarity matrix Threshold level of	nalty	Gap size penalty Cutoff score	

PARAMETERS

90

## SEARCH STATISTICS

Scores:	Mean	Median	Standard Deviation
	59	55	6.65
Times:	CPU 00:00:00		Total Elapsed 00:00:00
Number of residues:	ues:	4350	
Number of sequences searched:	nces searched:	4	
Number of scores above cutoff:	s above cutoff:	4	

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

<b>41</b> •					
Sig. Frame	. •			# <del>-</del> # 0	
P	1.05		1.05 21 0	SFIAN 	~
				GRXI   :   GRAD	PSIC
pt.	80		a ce	ERXXFX   :: : ERNVFR	TSSM
Init. Opt. Length Score Score	****		Significance Mismatches	X 10 20 30 40	50 X MHXVQGDRXFXPWKGSVVDSVVGVFLTQNV-DXLSSSAFMXLASXFP   5
gth Sc	е mean 1207			) )EXKXKI   ; ;  )EQKAKI 530	PFVPS:
Len	above 1		80 69 cutions	20 DXXDI	X \SXFP  :   \SQFPVP  600
	ation		e = lbstit	NINSEC 520	30 SSAFMXLA 
	devia		Score	XLLL- (111 KLLLEI	80 XLSSSA       HLSSSA
1	**** 1 standard deviation above mean **** At2g36490 protein.	ein.	Optimized Score = 80 Matches = 69 Conservative Substitutions	X 10 KVXLDDETXXWXLLL   \$    ;;; ;    KVDLDDETDRVWKLLLENI 0	50 80 80 MXVQGDRXFXFWKGSVVDSVVGVFLTQNV-DXLSSSAFMXLASXFP 1151111111111111111111111111111111111
tion	1 sta	(1-90) At2g36490 protein.		ADTODA	70 VGVFL: 
Description	**** t2g36	0) 36490	99 869 9	X K H R S S S	vvbsv         vvbsv 
De	A	(1-9 At2g		PVKKP	60 PWKGSV 
ате	<b>4</b> 6	9 <b>SJQ6</b>	ore entit	IVPVTI 490	DRXFX    ;  ; DRRFT 560
nce N	1. q9sjq6	SEQ71.7098 q9sjq6	al Sc le Id	3GAGA	50 HXVQGI
Sequence Name	i.	1. SEQ71-Q9SJQ6 (1-90) q9sjq6 ∋ At2g36	Initial Score Residue Identity Gaps	90 480	≅ – ₹